

Title (en)

ORGANIC ELECTROLUMINESCENT MATERIALS AND DEVICES

Title (de)

ORGANISCHE ELEKTROLUMINESZENTE MATERIALIEN UND VORRICHTUNGEN

Title (fr)

MATÉRIAUX ET DISPOSITIFS ÉLECTROLUMINESCENTS ORGANIQUES

Publication

EP 3447053 B1 20230809 (EN)

Application

EP 18200227 A 20150213

Priority

- US 201414188297 A 20140224
- EP 15000452 A 20150213

Abstract (en)

[origin: EP2910553A1] The present invention relates to novel organic compounds comprising at least two different selections selected from the group consisting of N-phenyl carbazole, dibenzofuran, dibenzothiophene, triphenylene, aza-(N-phenyl carbazole), aza-dibenzofuran, aza-dibenzothiophene, and aza-triphenylene. The compounds are useful for organic light-emitting diodes. The compounds are also useful for charge-transport and charge-blocking layers, and as hosts in the light-emissive layer for organic light emitting devices (OLEDs).

IPC 8 full level

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CPC (source: EP KR US)

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Citation (examination)

- WO 2010083359 A2 20100722 - UNIVERSAL DISPLAY CORP [US], et al
- MAKOTO KIMURA ET AL: "Spirocyclic-Incorporated Triphenylamine Derivatives as an Advanced Organic Electroluminescent Material", CHEMISTRY LETTERS, vol. 29, no. 2, 1 February 2000 (2000-02-01), pages 192 - 193, XP055759981, ISSN: 0366-7022, DOI: 10.1246/cl.2000.192

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